

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Mohammad R. Marzabadi, et al.
Serial No.: Not Yet Known
Filed : Herewith
For : SELECTIVE MELANIN CONCENTRATING HORMONE-1
(MCH1) RECEPTOR ANTAGONISTS AND USES
THEREOF

1185 Avenue of the Americas
New York, New York 10036
April 14, 2004

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Information Disclosure Statement

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would like to direct the Examiner's attention to the following reference which is listed on the attached Form PTO-1449 (**Exhibit A**):

1. U.S. Serial No. 09/899,635, filed July 5, 2001, Lagu, et al.

A copy of this application is enclosed as **Exhibit 1**. Applicants request that this application be considered and made of record.

In accordance with their duty of disclosure under 37 C.F.R. §1.56, applicants would like to direct the Examiner's attention to the following references which are listed on the attached Form PTO-1449 (**Exhibit A**) and which were previously

submitted or cited in connection with the prosecution of U.S. Serial No. 09/899,635 from which the subject application claims priority under 35 U.S.C. §120. According to 37 C.F.R. § 1.98(d), copies of patents or publications that were previously cited by, or submitted to, the Patent Office in connection with such prior applications need not accompany the Information Disclosure Statement. Accordingly, copies of the following references are not attached to this Information Disclosure Statement.

1. U.S. Patent No. 4,438,117, issued March 20, 1984, Cherkofsky, et al;
2. U.S. Patent No. 4,684,655, issued August 4, 1987, Atwal, et al;
3. U.S. Patent No. 4,684,656, issued August 4, 1987, Atwal, et al;
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6. U.S. Patent No. 4,728,652, issued March 1, 1988, Atwal, et al;
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10. U.S. Patent No. 4,902,796, issued February 20, 1990,
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11. U.S. Patent No. 4,946,846, issued August 7, 1990, Nomura,
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13. U.S. Patent No. 5,149,810, issued September 22, 1992,
Perrior, et al;
14. U.S. Patent No. 5,202,330, issued April 13, 1993, Atwal,
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16. U.S. Patent No. 5,292,740, issued March 8, 1994, Burri,
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18. U.S. Patent No. 5,541,186, issued July 30, 1996, Breu, et
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19. U.S. Patent No. 5,500,424, issued March 19, 1996,
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Yuan, et al;
21. U.S. Patent No. 5,942,517, issued August 24, 1999,
Nagarathnam, et al;
22. PCT International Application No. WO 92/00741, published
January 23, 1992;
23. PCT International Application No. WO 92/14453, published
September 3, 1992;
24. PCT International Application No. WO 94/10989, published
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25. PCT International Application No. WO 94/22829, published
October 13, 1994;
26. PCT International Application WO 97/42956, published
November 20, 1997;
27. PCT International Application WO 98/51311, published
November 19, 1998;
28. PCT International Application WO 99/07695, published
February 18, 1999;
29. PCT International Application WO 99/48530, published
September 30, 1999;
30. European Patent Application No. EP 0 162 208, published
November 27, 1985;

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32. European Patent Application No. EP 0 234 830, published September 2, 1987;
33. European Patent Application No. EP 0 236 902, published September 16, 1987;
34. European Patent Application No. EP 0 237 347, published September 16, 1987;
35. European Patent Application No. EP 0 280 227, published August 31, 1988;
36. European Patent Application No. EP 0 400 665, published December 5, 1990;
37. European Patent Application No. EP 0 459 666, published December 4, 1991;
38. European Patent Application No. EP 0 622 369, published November 2, 1994;
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41. French Patent Application No. 2 610 625 A, published August 12, 1998;

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- methyl-5-pyrimidenecarboxylic Acid Esters as Orally Effective Antihypertensive Agents," *Journal of Medicinal Chemistry* (1991) 34(2): 806-811;
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53. Brown, et al., "Inhibitors of *Bacillus subtilis* DNA Polymerase III. 6-(Arylalkylamino)uracils and 6-Anilinouracils," *Journal of Medicinal Chemistry* (1977) 20(9): 1186-1189;
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58. Khanina, E.L., et al., Alkylation of derivatives of 2-oxo-4-phenyl-6-methyl-1,2,3,4-tetrahydropyrimidine-5-carboxylic acid. *Chemical Abstracts* (1978) 89: 43319;
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61. Rovnyak, G.C., et al., "Dihydropyrimidine Calcium Channel Blockers. 4. Basic 3-Substituted-4-aryl-1,4-dihydropyrimidine-5-carboxylic Acid Esters. Potent Antihypertensive Agents," *Journal of Medicinal Chemistry* (1992) 35(17): 3254-3263;
62. Spiers, J.P., et al., "UK-52,046 (A Novel α_1 -Adrenoceptor Antagonist) and the Role of α -Adrenoceptor Stimulation and Blockade on Atrioventricular Conduction," *Journal of Cardiovascular Pharmacology* (1990) 16(5): 824-830;
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64. Wetzell, J.M., et al., "Discovery of α_{1a} -Adrenergic Receptor Antagonists Based on the L-Type Ca^{2+} Channel Antagonist Niguldipine" *Journal of Medicinal Chemistry* (1995) 38(10): 1579-1581;
65. Zhan, G.L., et al., "Bunazosin Reduces Intraocular Pressure By Increasing Uveoscleral Outflow In Rabbits," *Investigative Ophthalmology and Visual Science* (1993) 34(4): Abst. No. 1133-49, p. 928;
66. U.S. Patent No. 6,037,354, issued March 14, 2000, Patane, et al.; and
67. U.S. Patent No. 6,245,773, issued June 12, 2001, Wong, et al.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

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No fee, other than the enclosed fee of \$770.00 for filing the subject application, is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any additional fee be found necessary, authorization is hereby given to charge any such fee to Deposit Account No. 03-3125.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "John P. White", written over a horizontal line.

John P. White
Registration No. 28,678
Attorney for Applicants
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New York, New York 10036
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Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
62524-AA/JPW/MJWU.S. Serial No.
Not Yet KnownINFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)Applicants:
Mohammad R. Marzabadi, et al.Filing Date:
Herewith

Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	4 4 3 8 1 1 7	3/20/84	Cherkofsky et al.			
	4 6 8 4 6 5 5	8/4/87	Atwal, et al.			
	4 6 8 4 6 5 6	8/4/87	Atwal, et al.			
	4 6 8 4 6 5 3	8/4/87	Taylor, E.C., et al			
	4 7 0 3 1 2 0	10/27/87	Press, et al.			
	4 7 2 8 6 5 2	3/1/88	Atwal, et al.			
	4 8 4 5 2 1 6	7/4/89	Taylor, E.C., et al			
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	4 8 8 2 3 3 4	11/21/89	Shih, et al.			
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	6 2 4 5 7 7 3	6/12/01	Wong et al.			

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS														
		Document Number							Date	Country	Class	Subclass	Translation	
													Yes	No
		9	2	0	0	7	4	1	1/23/92	PCT				
		9	2	1	4	4	5	3	9/3/92	PCT				
		9	4	1	0	9	8	9	5/26/94	PCT				
		9	4	2	2	8	2	9	10/13/94	PCT				

EXAMINER

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Applicants: Mohammad R. Marzabadi, et al.
Serial No.: Not Yet Known
Filed: Herewith
For: Selective Melanin Concentrating Hormone-1 (MCH1) Receptor Antagonists And Uses Thereof
Exhibit A

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
62524-AA/JPW/MJWU.S. Serial No.
Not Yet KnownINFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)Applicants:
Mohammad R. Marzabadi, et al.Filing Date:
Herewith

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FOREIGN PATENT DOCUMENTS

		Document Number							Date	Country	Class	Subclass	Translation	
													Yes	No
		9	7	4	2	9	5	6	11/20/97	PCT				
		9	8	5	1	3	1	1	11/19/98	PCT				
		9	9	0	7	6	9	5	2/18/99	PCT				
		9	9	4	8	5	3	0	9/30/99	PCT				
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		2	0	4	3	1	7		12/10/86	EPO				
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		2	3	7	3	4	7		9/16/87	EPO				
		2	8	0	2	2	7		8/31/88	EPO				
		4	0	0	6	6	5		12/5/90	EPO				
		4	5	9	6	6	6		12/4/91	EPO				
		6	2	2	3	6	9		11/2/94	EPO				
		6	2	2	3	6	6		11/2/94	EPO				
		6	2	7	4	2	7		12/7/94	EPO				
		2	6	1	0	6	2	5	8/12/88	French				
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		6	2	8	7	5	7	4	4/22/87	Japanese				
	6	2	2	6	5	2	7	1	11/18/87	Japanese				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		U.S. Serial No. 09/899,635, filed July 5, 2001, Lagu, et al;
		Atwal, K.S. et al., "Synthesis of Substituted 1,2,3,4- Tetrahydro-6- Methyl-2-Thioxo-5-Pyrimidinecarboxylic Acid Esters," Heterocycles (1987) 26(5): 1189-1192;
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
		Atwal, K. S. et al., Dihydropyrimidines Calcium Channel Blockers: 2-Heterosubstituted 4-aryl-1,4-dihydro-6-methyl-5-pyrimidinecarboxylic Acid Esters as Potent Mimics of Dihydropyridines," <i>Journal of Medicinal Chemistry</i> (1990) 33(5): 1510-1515;			
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		Brown, et al., "Inhibitors of Bacillus subtilis DNA Polymerase III. 6-(Arylalkylamino)uracils and 6-Anilinouracils," <i>Journal of Medicinal Chemistry</i> (1997) 20(9): 1186-1189;			
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		Cho, H. et al., "Dihydropyrimidines: Novel Calcium Antagonists with Potent and Long-Lasting Vasodilative and Antihypertensive Activity," <i>Journal of Medicinal Chemistry</i> (1989) 32: 2399-2406;			
		D'Eletto, R. D. and Javitt, N.B., "Effect of Doxazosin on Cholesterol Synthesis In Cell Culture," <i>Journal of Cardiovascular Pharmacology</i> (1989) 13, Supp. 2: S1-S4;			
		Forray et al., "The α_1 -Adrenergic Receptor That Mediates Smooth Muscle Contraction in Human Prostate Has The Pharmacological Properties of the Cloned Human α_{1c} Subtype," <i>Molecular Pharmacology</i> (1994) 45: 703-708;			
		Khanina, E. L. et al., Alkylation of derivatives of 2-oxo-4-phenyl-6-methyl-1,2,3,4-tetrahydropyrimidine-5-carboxylic acid. <i>Chemical Abstracts</i> 89: 43319 (1978);			
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	Applicants: Mohammad R. Marzabadi, et al.	
	Filing Date: Herewith	Group Art Unit:

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